

Converting Colors

$Y_{xy}(15.8135, 0.2266, 0.2302)$

Have a look what the booklet for
Yxy(15.8135, 0.2266, 0.2302)
contains.

Yxy(15.8884, 0.2270, 0.2306)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.8884, 0.2270, 0.2306)

Conversions

Conversions Part 1

Format	Color
Hex	4E70A4
RGB	78, 112, 164
RGB Percent	31%, 44%, 64%
CMY	0.6939, 0.5608, 0.3568
CMYK	0.52, 0.32, 0.00, 0.36
HSL	216°, 36%, 47%
HSV	216°, 52%, 64%
XYZ	15.6404, 15.8884, 37.3715
YIQ	107.7620, -36.9560, 8.9640

Conversions

Conversions Part 2

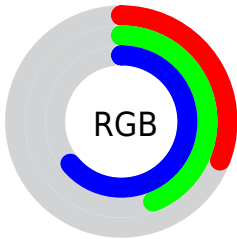
Format	Color
R_{YB}	78, 102, 164
Decimal	5140644
CIE _{Lab}	46.83, 3.18, -31.71
CIE _{LCh}	47, 31.867, 275.734
Yxy	15.8884, 0.2270, 0.2306
Android (android.graphics.Color)	4283330724 (0xFF4E70A4)
YUV	107.7620, 27.7253, -26.1013
Hunter-Lab	39.8603, 0.2843, -27.6859

Details

The Yxy color **15.8884, 0.2270, 0.2306** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **24.4279, 0.4132, 0.4089**, and the grayscale version is **14.8577, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2144, 0.2462, 0.2519**, and **5.0790, 0.1934, 0.1940** is the 20% darker color. If you saturate the color by 10%, you get **13.2094, 0.2111, 0.2077**, and if you desaturate by 10%, it is **18.9828, 0.2438, 0.2527**.

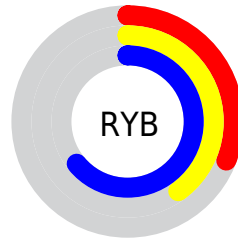
Distribution



Red (31%)

Green (44%)

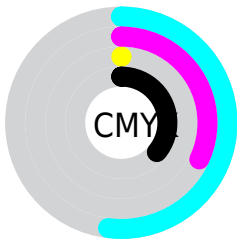
Blue (64%)



Red (31%)

Yellow (40%)

Blue (64%)

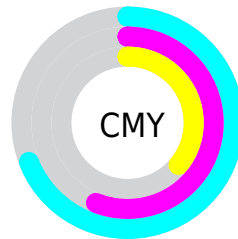


Cyan (52%)

Magenta (32%)

Yellow (0%)

Black (36%)



Cyan (69%)

Magenta (56%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.8884, 0.2270, 0.2306 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 15.8884, 0.2270, 0.2306 by changing the saturation by 10% instead.

■ 15.8884, 0.2270,
0.2306

■ 15.8884, 0.2270,
0.2306

■ 228.6823, 0.2759,
0.2861

■ 9.4452, 0.2127,
0.2147

■ 36.4044, 0.2463,
0.2523

■ 5.0327, 0.1931,
0.1930

■ 51.2459, 0.2531,
0.2600

■ 2.2665, 0.1652,
0.1626

■ 69.6557, 0.2586,
0.2663

■ 0.7559, 0.1237,
0.1174

■ 92.0182, 0.2632,
0.2716

■ 0.0000, 0.0000,
0.0000

■ 118.7177, 0.2671,
0.2761

150.1386, 0.2705,

0.2799

186.6653, 0.2734,
0.2832

■ 15.8884, 0.2270,
0.2306

■ 15.8884, 0.2270,
0.2306

■ 13.2094, 0.2111,
0.2077

■ 18.9828, 0.2438,
0.2527

■ 10.9232, 0.1966,
0.1846

■ 22.5101, 0.2608,
0.2734

■ 9.0072, 0.1842,
0.1621

■ 26.4886, 0.2776,
0.2926

■ 7.4349, 0.1745,
0.1410

■ 30.9351, 0.2938,
0.3099

■ 6.4348, 0.1684,
0.1263

■ 35.8654, 0.3091,
0.3255

■ 41.2946, 0.3236,
0.3393

■ 47.2368, 0.3369,
0.3515

■ 53.7059, 0.3493,
0.3622

■ 60.7151, 0.3606,
0.3716

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



15.8884, 0.2028, 0.2475



15.8884, 0.2270, 0.2306



15.8884, 0.2743, 0.2364

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



15.8884, 0.2270, 0.2306



15.8884, 0.4357, 0.3487



15.8884, 0.2799, 0.4139

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



15.8884, 0.2270, 0.2306



24.4279, 0.4132, 0.4089

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



15.8884, 0.3415, 0.4449



15.8884, 0.2270, 0.2306



15.8884, 0.4343, 0.3965

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



15.8884, 0.2270, 0.2306



15.8884, 0.3990, 0.3012



15.8884, 0.3984, 0.4343



15.8884, 0.2302, 0.3519

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



15.8884, 0.2270, 0.2306



15.8884, 0.3155, 0.2513



15.8884, 0.3984, 0.4343



15.8884, 0.2999, 0.4289

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



15.8890, 0.2270, 0.2306



52.9042, 0.2876, 0.3034



29.7797, 0.2693, 0.3925



11.2239, 0.2844, 0.3001



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



15.8890, 0.2270, 0.2306



23.1882, 0.2084, 0.2036



10.1447, 0.2226, 0.1695



7.2974, 0.2987, 0.3150



5.0207, 0.1689, 0.1281



0.1962, 0.1893, 0.2013

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



14.5187, 0.3993, 0.2765



21.6357, 0.4307, 0.2677



34.1172, 0.3783, 0.4568



7.1301, 0.3226, 0.3202



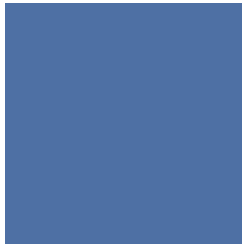
6.3510, 0.5353, 0.2722



0.1426, 0.4438, 0.2219

Previews

White Background



This preview shows how the Yxy color 15.8884, 0.2270, 0.2306 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the Yxy color 15.8884, 0.2270, 0.2306 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

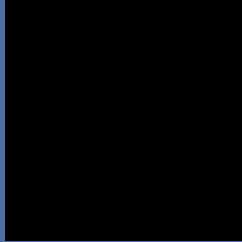
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

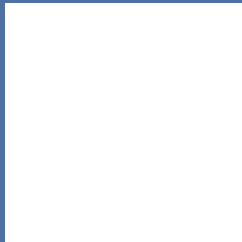
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 15.8884, 0.2270, 0.2306

Background



This preview shows how black text looks on a background with the Yxy color 15.8884, 0.2270, 0.2306.

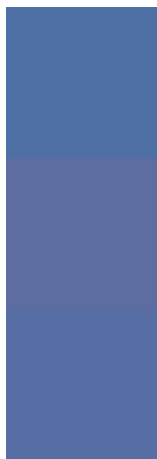


This preview shows how white text looks on a background with the Yxy color 15.8884, 0.2270, 0.2306.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

15.8884, 0.2270, 0.2306

Protanopia

15.8376, 0.2408, 0.2323

Deuteranopia

15.8584, 0.2336, 0.2285



Tritanopia

15.9369, 0.2467, 0.3070

Trichromacy



Original Color

15.8884, 0.2270, 0.2306

Protanomaly

15.8352, 0.2359, 0.2317

Deuteranomaly

15.9340, 0.2314, 0.2298

Tritanomaly

15.7459, 0.2382, 0.2747

Monochromacy



Original Color

15.8884, 0.2270, 0.2306

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.0372, 0.2754, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.8884, 0.2270, 0.2306 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(78, 112, 164)` looks like.

```
.text, #text, p{  
    color:rgb(78, 112, 164)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(78, 112, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 112, 164) }
```

Border

The CSS property to change the border of an element to Yxy 15.8884, 0.2270, 0.2306 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(78, 112, 164) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(78, 112, 164) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(78, 112, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 112, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 112, 164);  
box-shadow:4px 4px 4px 4px rgb(78, 112,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 15.8884, 0.2270, 0.2306 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 112, 164) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(78, 112,  
164) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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